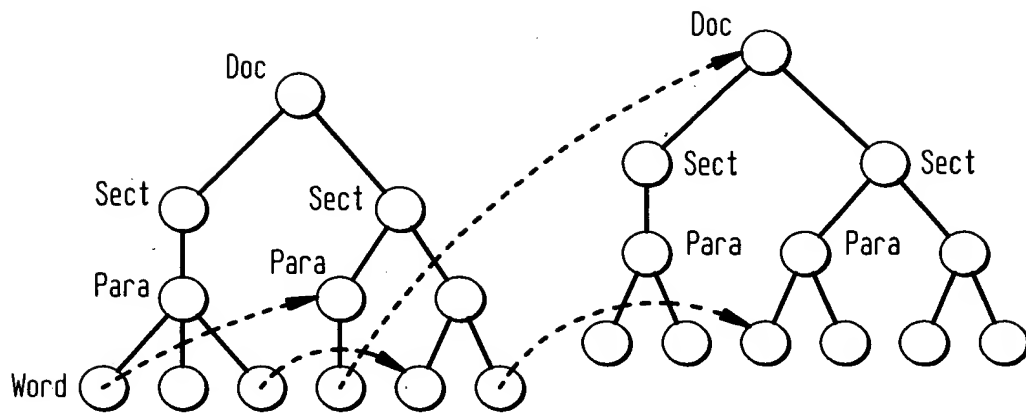
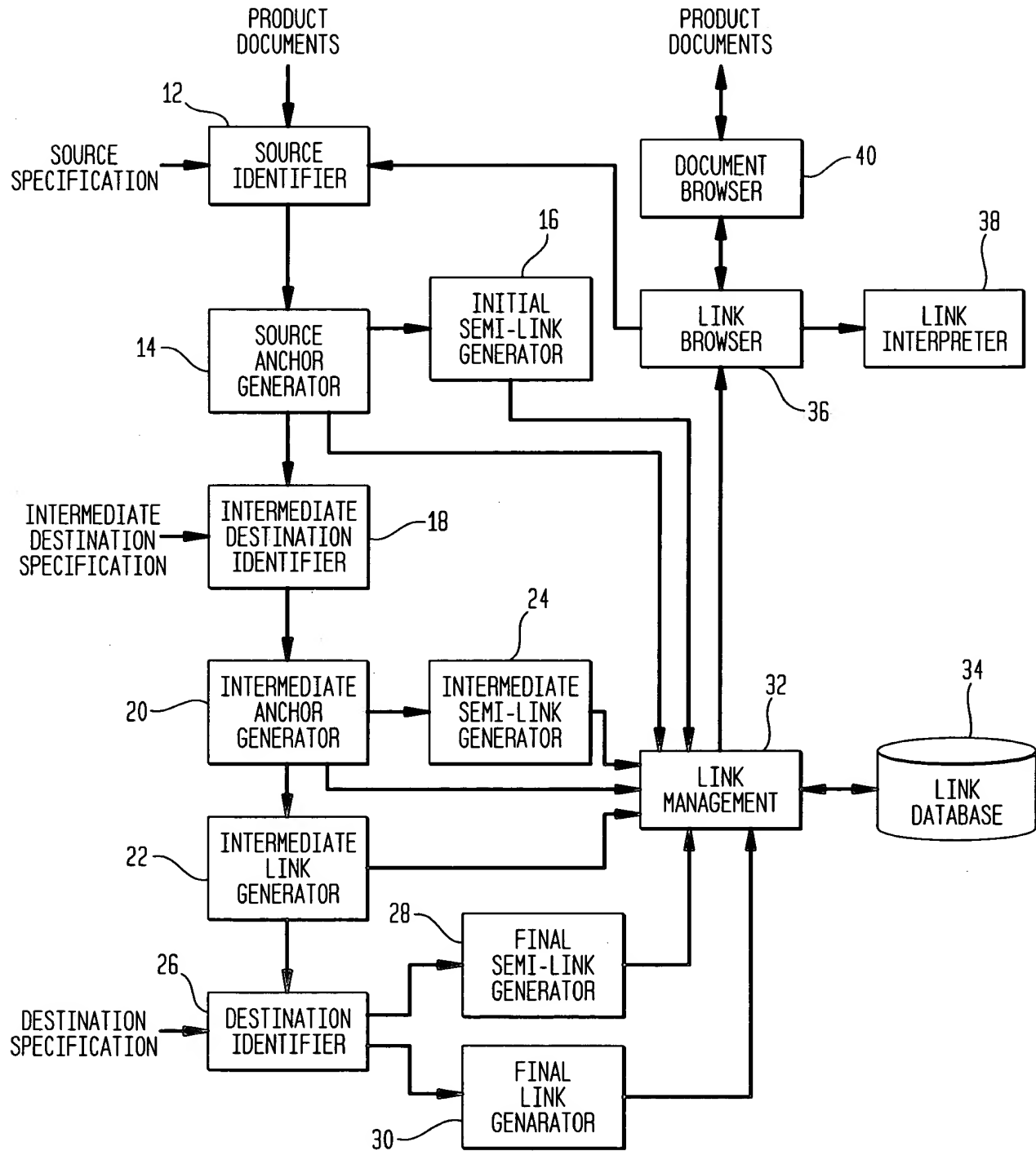




FIG. 1



**FIG. 2**



**FIG. 3**

```

source<label>:<description>
    document
        <list of document references>
    end
    pattern
        <list of pattern specifications>
    end
    context
        <list of context specifications>
    end
    anchor
        <list of anchor specifications>
    end
    link
        <list of link specifications>
    end
end

```

**FIG. 4**

```

<pattern specification>::=<sequence of pattern expressions>
<pattern expression>::=<pattern term> | <pattern assignment>
<pattern term>::=<subpattern> | <subpattern extraction>
<subpattern extraction>::="/" <subpattern> "/"
<pattern assignment>::=<new variable> "=" <pattern term> |
    "{" <pattern term> "/" <new variable> "}"
<subpattern>::="<sequence of characters>" |
    "[" <subset of characters> "]" <number of repetitions> |
    "[" ^ <subset of characters> "]" <number of repetitions>
<number of repetitions>::="1" | "2" | "3" | ... | "?" | "*" | "+"

```

**FIG. 5**

```

<context specification>::=<context expression>
<context expression>::=<context term> | <context assignment>
<context term>::=<document object> | <variable> |
    <document object> <object relationship> <document object> |
    <document object> <object relationship> <context expression> |
    <context expression> <object relationship> <document object> |
    <context expression> <object relationship> <context expression>
<context assignment>::=<new variable> ":" <context term> |
    "(" <context term> "/" <new variable> ")"
<object relationship>::="contained" | "inside" | "child-of" | "descendent-of" |
    "containing" | "parent-of" | "ancestor-of" | "sibling-of"
<document object>::="<" <object name> ">" |
    "<" <object name> <attribute list> ">"
<attribute list>::=<attribute> <attribute> ...
<attribute>::=<attribute name> "=" <value>

```

**FIG. 6**

```

<anchor specification>::=<anchor structure transformation>
<anchor structure transformation>::=<source context> "=>" <anchor context>
<source context>::=<source object list>
<source object list>::=<source object> <source object> ...
<source object>::=<document object> | <object assignment> | <variable>
<object assignment>::=<new variable> ":" <document object> |
    "(" <document object> "/" <new variable> ")"
<anchor context>::=<target object list>
<target object list>::=<target object> <target object> ...
<target object>::=<new object> | <variable>

```

**FIG. 7**

```

<link specification>::=<link modification list>
<link modification list>::=<link modification> <link modification> ...
<link modification>::=<anchor content modification> | <link attribute modification>
<anchor content modification>::=<object variable> <link operator> <link value>";"
<link attribute modification>::=<link attribute> <link operator> <link value>";"
<link attribute>::=<object variable>". "<attribute name>
<link operator>::="=" | "+="
<link value>::=<any string> | <link record>
<link record>::="{ " <link assignment list>"}"
<link assignment list>::=<link field assignment> <link field assignment> ...
<link field assignment>::=<link field> "=" <link value> ";"
<link field>::=<link id> | <link specification label> | <link description> |
    <link category> | <link type> | <link subtype> | <destination type> |
    <destination reference> | <parameter list>
<destination reference>::=<object id> | <object path> | <script>
<parameter list>::=<parameter> <parameter> ...

```

**FIG. 8**

source S101: "KKS numbers"

```

document
    31.sgm;
end
pattern
    p="MB"[A-Z[0-9]2[A-Z]2[0-9]3;
end
context
    <AnyDocX><ParaX, ParaX2, ParaX3, ParaX4, ParaX5>p</></>;
end
anchor
    p=>{KKSNum Name=unique-name("NA")>p</>/a};
end
link
    a.Linkend+={link type = "Schematic Diagram";
                destination reference=p; }
end
end

```

**FIG. 9**

```
intermediate <label> : <description>
  source
    <list of source and intermediate destination labels>
  end
  document
    <list of document references>
  end
  pattern
    <list of pattern specifications>
  end
  context
    <list of context specifications>
  end
  anchor
    <list of anchor specifications>
  end
  link
    <list of link specifications>
  end
end
```

**FIG. 10**

```
destination <label> : <description>
  source
    <list of source and intermediate destination labels>
  end
  ...
end
```

FIG. 11

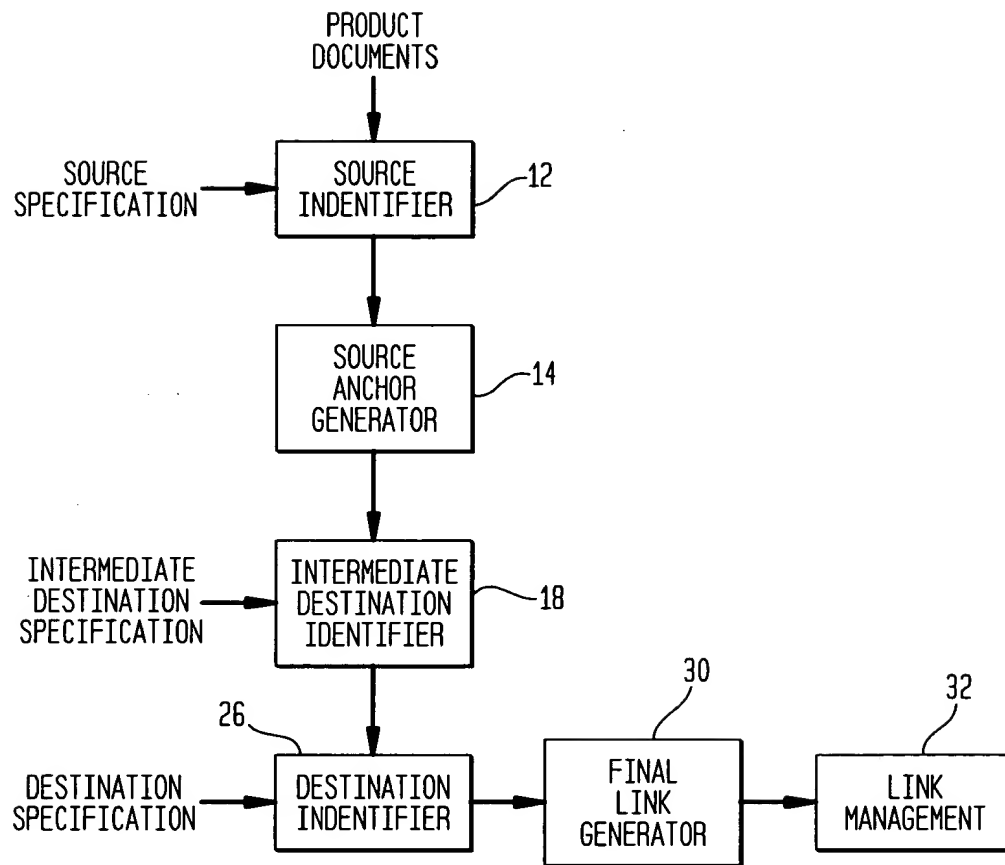


FIG. 12

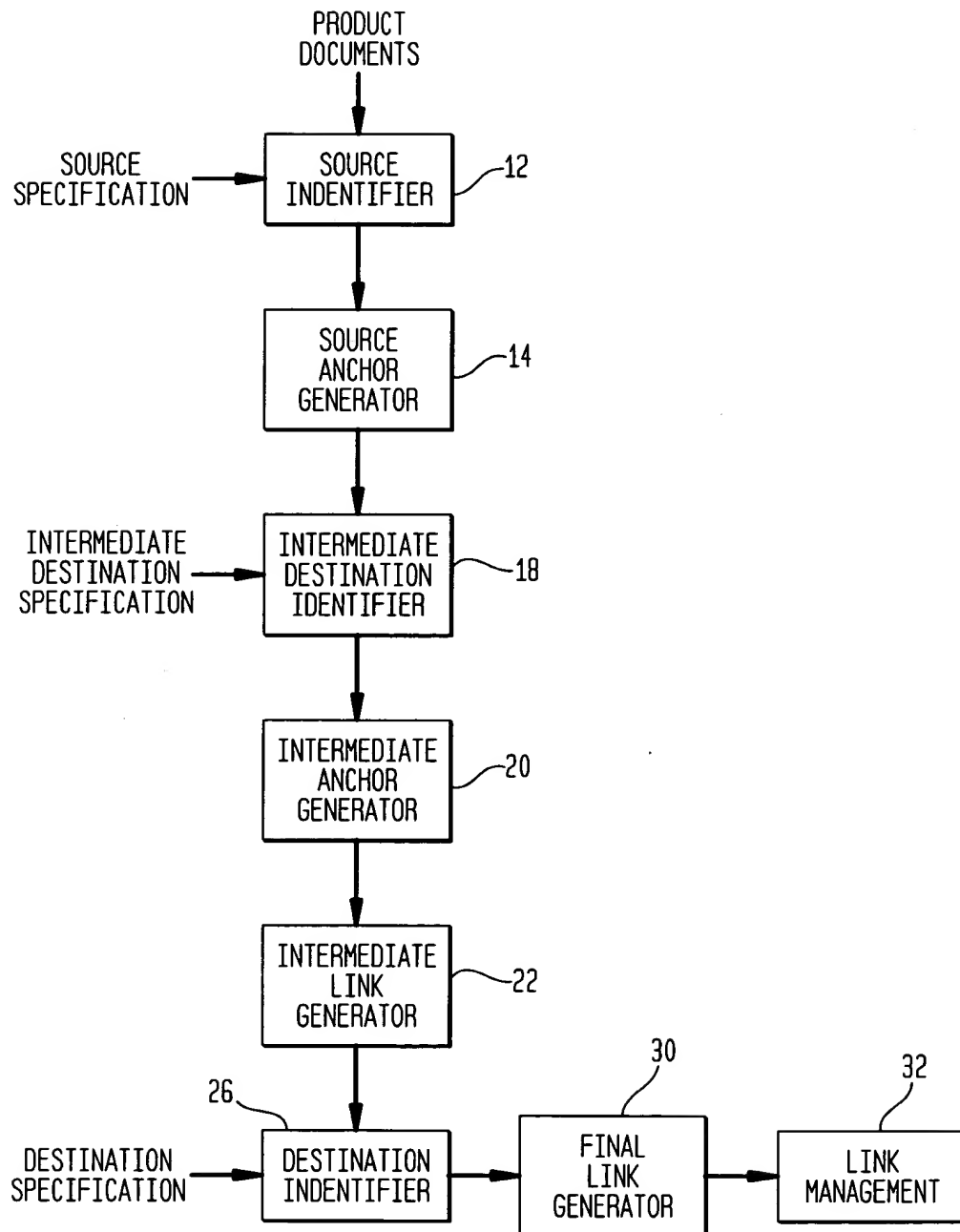




FIG. 13

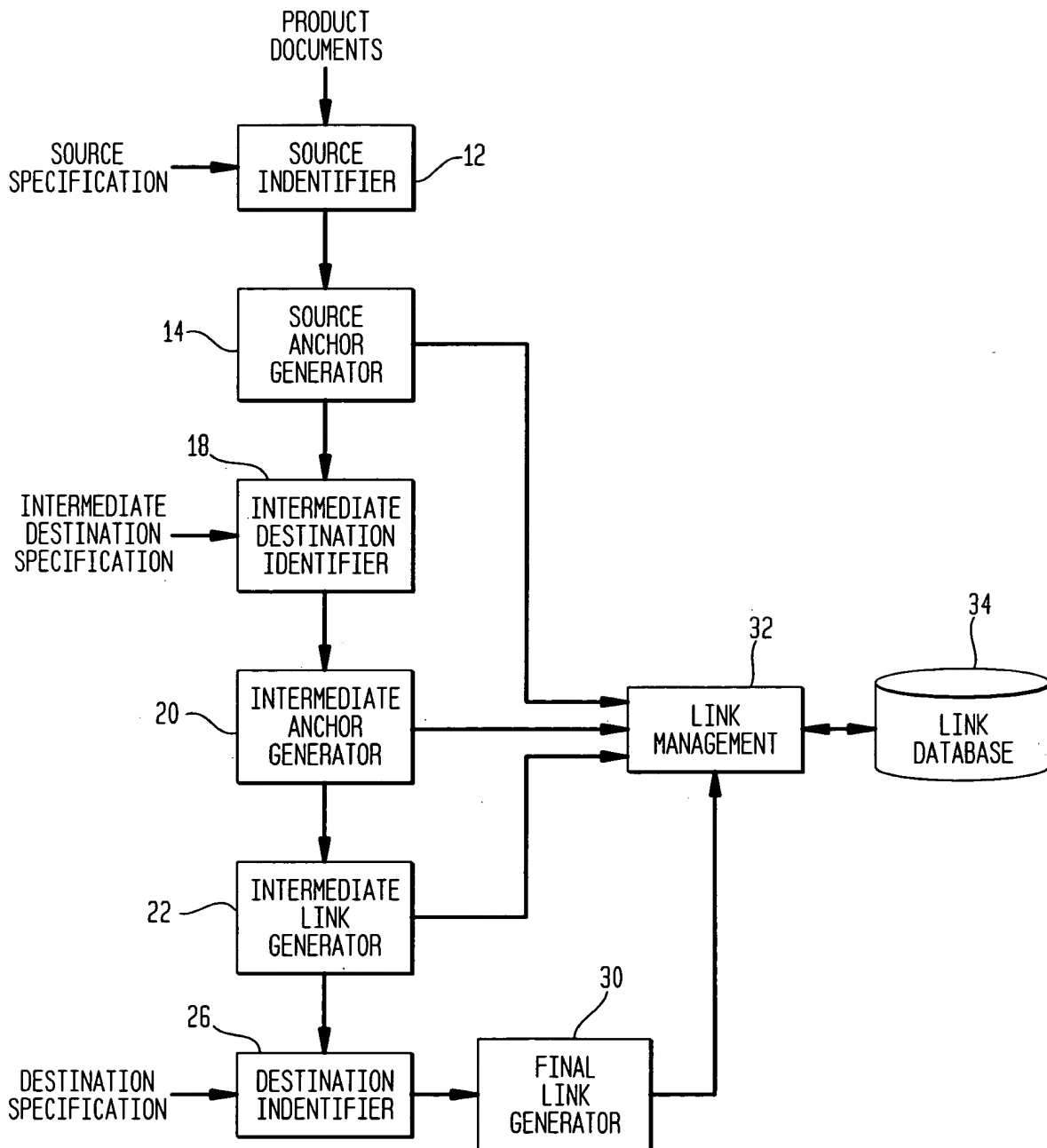


FIG. 14

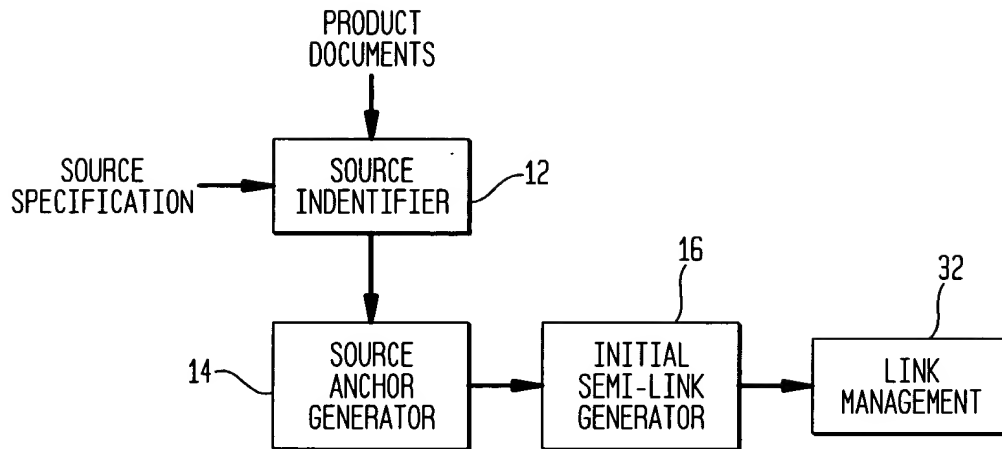


FIG. 15

